

**Puget Sound TRT 23<sup>rd</sup> Meeting**  
**Friday, February 8, 2002**  
**Northwest Fisheries Science Center, Room 370W**

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**TRT Attendance:** Mary Ruckelshaus, Bob Fuerstenberg, Ken Currens, Kit Rawson, Norma Jean Sands, Jim Scott, Bill Graeber, Elizabeth Babcock

**Visitors:** Juliet Fabbri, Correigh Green, Margaret Duncan, Beth Sanderson

**Population Viability and Planning Ranges**

The TRT used the morning session for work time.

**De-Listing Criteria**

- The TRT discussed how to prepare for the joint meeting with the WLC TRT in early March. Draft reports from the WLC TRT were reviewed: Growth Rate, Juvenile Outmigrants, Spatial Structure, Diversity and ESU level criteria, and the TRT decided on the following topics, goals and questions to be discussed at the meeting:

*1. Growth Rate, Abundance & Productivity*

- WLC TRT wants to hear about HPVA and hatchery fraction calculations.
- Productivity should be included.
- Red/blue/green paper discussion: how do abundance and productivity relate, (equilibrium abundance and what Nmin is) and “burden of proof” issue. **Jim Scott will have this paper ready for the February 25 meeting, Kit Rawson will help.**

*2. Juvenile Outmigrants:* **Norma Sands, Kit Rawson and Jim Scott will put discussion topics together.**

- Why has the MEA approach not been included in the WLC criteria?
- Do the same adult capacity limitation problems apply?

*3. Spatial Structure within Population*

- Can we expect VSP-level guidelines?
- **Bob Fuerstenberg** will bring information on the 60% suitable habitat research.

*4. Diversity:* **Bill Graeber and Ken Currens will put discussion topics together.**

- Why did the WLC TRT not consider genetic data?

*5. ESU level criteria*

- How will we use geographic regions as a basis for choosing populations? **Ken Currens and Mary Ruckelshaus will prepare a short paper for discussion.**

**Life Cycle Model of Chinook**

- Correigh Green presented the chinook life cycle model he has been working on with Mary, based on a case study of the Skagit system. The TRT discussed data quality, the approach of the model, how this could be/and is useful. Correigh will continue work on the model using TRT-specific data. **The TRT will discuss at a later date how to use this model. Bill Graeber** will be the contact for a sub-group meeting.

**Habitat Case Studies**

- **Beth Sanderson** presented in a conceptual way the habitat approach she and Jeremy Davies have been working on to evaluate changes in habitat composition and estimated salmon abundances/occupancy with coarse-scale data. The TRT discussed the goals of their case studies, what they hope to learn, how they can apply the results in a general way to all watersheds, and how to create action plans from the results. Beth and Jeremy plan to

complete 2 watershed habitat studies within 9 months. The habitat group will need to work on making links between analyses (Beth's, EDT, Lisa's) to make some sense about how the results can be used to give advice to watershed groups, and to identify gaps in these approaches. **Mary Ruckelshaus and Jim Scott will present this work to the TRT-Shared Strategy at the February 25<sup>th</sup> meeting for feedback.** Bob Fuerstenberg recommended 2 sources: Jack Williams's case study of watershed restoration (an AFS publication) and the National Research Council book on aquatic research systems. **Mary Ruckelshaus also will find out what the schedule is for sending the SHRP paper around for TRT review (it should be soon).**

### **TRT Miscellaneous Issues**

- **Ken Currens** updated the TRT on the M&E memo he has drafted to Bruce Crawford. Ken will need comments ASAP, no later than 2/12, and then he will pass it on to Paul McElhany for review.

### **Upcoming Meetings**

February 25<sup>th</sup>: Afternoon meeting in Olympia with Shared Strategy. The TRT will meet at 10am to discuss PVA/HPVA results, red/blue/green paper, and de-listing criteria (focusing on how we should most productively meet with WLC TRT on 3/8 to discuss those topics). In the afternoon, the TRT and SS staff group will discuss short- and longer-term tasks and schedules, including habitat case studies.

March 5<sup>th</sup>: Joint meeting with Willamette Lower Columbia TRT, to be held in Olympia, date subject to change and will be discussed over email. **(Note: date has been changed to March 8 in Olympia.)**

March 18-19: Meeting in Mt. Vernon. **Mary Ruckelshaus** will send out agenda soon for comments. Dinner is confirmed at Kit Rawson's house for Monday night. Reservations can be made at the Cotton Tree hotel.